




PERSONAL INFORMATION

TUDOR Ioan Albert

 National Research-Development Institute for Non-Ferrous and Rare Metals - IMNR
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WORK EXPERIENCE

- February 2018 – Present **Scientific Researcher III**
 National Research-Development Institute for Non-Ferrous and Rare Metals - IMNR
 102 Blvd. Biruinței, Pantelimon, Ilfov, CP 077145
 ▪ Sector: Research and Development
- January 2014 – January 2018 **Scientific Researcher**
 National Research-Development Institute for Non-Ferrous and Rare Metals - IMNR
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 ▪ Sector: Research and Development
- May 2011 – December 2013 **Assistant Scientific Researcher**
 National Research-Development Institute for Non-Ferrous and Rare Metals - IMNR
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 ▪ Sector: Research and Development

EDUCATION AND TRAINING

- November 2011 – July 2017 **PhD in Engineering Sciences**
 Certificate series F Nr. 603/27.10.2017
 Issued by University Politehnica Bucharest
- October 2009 – February 2011 **Master in Materials Engineering**
 Certificate series F Nr. 0169/04.04.2011
 Issued by University Politehnica Bucharest
- October 2004 – July 2009 **Diplomat engineer**
 Certificate series F Nr. 2100/21.09.2009
 Issued by University Politehnica Bucharest

PERSONAL SKILLS

Mother tongue(s)	Romanian				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B2	B2	B1	B1
	Replace with name of language certificate. Enter level if known.				
French	B1	B2	A2	A1	A2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Computer skills Microsoft Office (Word, Excel, Power Point), Origin, Calisto, Proteus, Nanovea.

Publications ▪ List of publications (selection)

1. Adrian Mihail Motoc, Ioan Albert Tudor, Mirela Petriceanu, Viorel Badilita, Elena Palomo del Barrio, Prasanta Jana, Vanessa Fierro, Alain Celzard, Radu Robert Piticescu: „In-situ synthesis and attachment of colloidal ZnO nanoparticles inside porous carbon structures”, published in *Materials Chemistry and Physics* 161 (2015) pag. 219-227.
2. Radu-Robert Piticescu, Adrian Mihail Motoc, Albert Ioan Tudor, Cristina Florentina Rusti, Roxana Mioara Piticescu, Maria Dolores Ramiro-Sanchez: „Hydrothermal Synthesis of Nanostructured Materials for Energy Harvesting Applications”, published in *International Journal of Materials Chemistry and Physics*, Vol. 1, No. 1, 2015, pp. 31-42.
3. Albert Ioan Tudor, Adrian Mihail Motoc, Cristina Florentina Ciobota, Dan. Nastase Ciobota, Radu Robert Piticescu, and Maria Dolores Romero-Sanchez: Solvothermal method as a green chemistry solution for microencapsulation of phase change materials for high temperature thermal energy storage, published in *Manufacturing Rev.* 5, 4 (2018).
4. Soukaina Motia, Ioan Albert Tudor, Laura Madalina Popescu, Roxana Mioara Piticescu, Benachir Bouchikhi, Nezha El Bari: Development of a novel electrochemical sensor based on electropolymerized molecularly imprinted polymer for selective detection of sodium lauryl sulfate in environmental waters and cosmetic products, published in *Journal of Electroanalytical Chemistry*, 2018, DOI:10.1016/j.jelechem.2018.03.069.
5. Soukaina Motia, Ioan Albert Tudor, Paulo Antonio Ribeiro, Maria Raposo, Benachir Bouchikhi, Nezha El Bari: Electrochemical sensor based on molecularly imprinted polymer for sensitive triclosan detection in wastewater and mineral water, published in *Science of the Total Environment* 664 (2019) 647–658.
6. M. D. Romero-Sanchez, Radu R. Piticescu, Adrian M. Motoc, Madalina Popescu, Albert I. Tudor, Preparation of microencapsulated KNO₃ by solvothermal technology for thermal energy storage, published in *Journal of Thermal Analysis and Calorimetry*, <https://doi.org/10.1007/s10973-019-08825-1>, 2019.
7. Laura Madalina Cursaru, Roxana Mioara Piticescu, Dumitru Valentin Dragut, Ioan Albert Tudor, Victor Kuncser, Nicusor Iacob, Florentin Stoiciu, The Influence of Synthesis Parameters on Structural and Magnetic Properties of Iron Oxide Nanomaterials, published in *Nanomaterials*, 2020.
8. Cristina F. Ciobota, Roxana M. Piticescu, Ciprian Neagoe, Ioan A. Tudor, Alexandru Matei, Dumitru V. Dragut, Arcadie Sobetkii, Elena M. Anghel, Adelina Stanoiu, Cristian E. Simion, Ovidiu G. Florea, Simona E. Bejan, Nanostructured Cobalt Doped Barium Strontium Titanate Thin Films with Potential in CO₂ Detection, published in *Materials*, 2020.
9. Laura-Madalina Cursaru, Ana-Maria Mocioiu, Ioan Albert Tudor, Roxana Mioara Piticescu, Hydrothermal Synthesis of Carbon Nanotubes-Polyaniline (CNT-PANI) Composites and Preliminary Electrochemical Characterization of CNT-PANI Coatings, published in *MATERIALE PLASTICE*, 57 (3), 2020, 238-248, doi.org/10.37358/MP.20.3.5396.
10. Ana-Maria Mocioiu, Ioan Albert Tudor, Oana Catalina Mocioiu, Application of Polyaniline for Flexible Semiconductors, published in *Coatings*, 2021, 11, 49, <http://doi.org/10.3390>.